



## SAFETY DATA SHEET

Revision date **12/16/2014**

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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier **PolySorb-1**

Chemical Name : Potassium Hydro-Pam

Crosslinked CAS-No. : 31212-13-2

#### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Industrial Use

Non-recommended use(s) : None known.

#### 1.3. Details of the supplier of the safety data sheet

Company : Roger George Special Effects  
14525 Bessemer St  
Van Nuys, CA 91411

Telephone : (818) 994-3049

Telefax : (818) 994-9432

E-mail : [sales@rogergeorge.com](mailto:sales@rogergeorge.com)

#### 1.4. Emergency telephone number

Emergency information

24 HOUR EMERGENCY TELEPHONE NUMBER:  
800-535-5053 #85740

### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

Not a hazardous substance or mixture.

#### 2.2. Label elements

Not a hazardous substance or mixture.

Other hazards

None known

### 3. Composition/information on ingredients

#### 3.1. Substances

##### Classification according to Regulation 29CFR 1910.1200

Chemical Name	NJ Trade secrets CAS-No.	Concentration	Classification
2-Propenoic acid, homopolymer, sodium salt	- 9003-04-7	> 99 %	

Texts of H phrases, see in Chapter 16

#### 3.2. Mixtures

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### 4. First aid measures

#### 4.1. Description of first aid measures

- General advice : Remove soiled or soaked clothing immediately
- Inhalation : Ensure supply of fresh air.  
In the event of symptoms seek medical advice.
- Skin contact : In case of contact with skin wash off with soap and water.  
In the event of symptoms seek medical advice.
- Eye contact : In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist,  
seek medical advice.
- Ingestion : Thoroughly clean the mouth with water  
In the event of symptoms seek medical advice.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms : No special hints.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.
- Unsuitable extinguishing media : Full water jet

#### 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:  
- carbon dioxide, carbon monoxide

#### 5.3. Advice for firefighters

Do not inhale explosion and/or combustion gases  
Use self-contained breathing apparatus

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**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Forms slippery surfaces with water.  
Use personal protective equipment.

**6.2. Environmental precautions**

Do not allow to enter drains or waterways  
Do not discharge into the subsoil/soil.

**6.3. Methods and material for containment and cleaning up**

Pick up mechanically  
Dispose of absorbed material in accordance with the regulations.

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**7. Handling and storage****7.1. Precautions for safe handling**

Advice on safe handling : Ensure adequate ventilation.

Hygiene measures : Wash hands before breaks and after work.  
Do not eat, drink or smoke when working.  
Remove soiled or soaked clothing immediately.

General protective measures : Do not inhale dust/fumes/aerosols.  
Avoid contact with eyes and skin

**7.2. Conditions for safe storage, including any incompatibilities****Prevention of fire and explosion**

Information : No special measures required.

**Storage**

Information : none

Further information on storage conditions : Keep container dry

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**8. Exposure controls/personal protection****8.1. Control parameters**

Contains no substances with occupational exposure limit values (US)

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**8.2. Exposure controls****Engineering controls****Personal protective equipment**

Eye protection : This product is not classified as a hazardous substance. Any necessity for eye protection must be determined within the scope of a risk assessment.

Hand protection : Glove material: protective gloves

Body Protection : protective clothing

Respiratory protection : in case of formation of vapours/dusts:  
Short term: filter apparatus, Filter P1

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: solid
Form	: granular
Colour	: white
Odour	: odourless
Odour Threshold	: no data available
pH	: approx. 6 1.0 g/l  Remarks: in 0.9% NaCl-Solution
Melting point	: not applicable
Boiling point	: not applicable
Flash point	: not applicable
Evaporation rate	: no data available
Flammability	: no data available
Upper Explosion/Ignition Limit	: not measured
Lower explosion limit	: not measured
Vapour pressure	: < 10 hPa (20 °C)
Relative vapour density	: no data available
Relative density	: no data available
Solubility	: not measured
Water solubility	: insoluble
Partition coefficient (n-octanol/water)	: no data available
Autoignition temperature	: not measured
Thermal decomposition	: not measured
Viscosity, kinematic	: not applicable
Viscosity, dynamic	: not applicable

**9.2. Other information**

Density : approx. 0.7 g/cm<sup>3</sup>

Bulk density : approx. 720 kg/m<sup>3</sup>

Other information : none

**10. Stability and reactivity****10.1. Reactivity**

see section "Possibility of hazardous reactions"

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Risk of dust explosions.

**10.4. Conditions to avoid**

> 200

**10.5. Incompatible materials**

None known.

**10.6. Hazardous decomposition products**

None with proper storage and handling.

**11. Toxicological information****11.1. Information on toxicological effects**

Acute toxicity (oral) : no data available

Acute toxicity (inhalation) : no data available

Acute toxicity (dermal) : no data available

Irritation/corrosion of the skin : Species: rabbit  
Result: non-irritant  
Method: OECD 404

Serious eye damage/ eye irritation : Species: rabbit  
Result: Mild eye irritation  
Method: OECD 405

Respiratory/skin sensitization : Species: Guinea pig  
Result: non-sensitizing  
Method: OECD 406

Repeated dose toxicity : no data available

Genotoxicity in vitro : Result: not mutagenic  
Method: mouse lymphoma test  
Remarks: not mutagenic in *in vivo* and *in vitro* tests

**US. National Toxicology Program (NTP) Report on Carcinogens**

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**US. IARC Monographs on Occupational Exposures to Chemical Agents**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**US. ACGIH Threshold Limit Values**

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reprotoxicity / Fertility : not applicable

Reprotoxicity/Development/Teratogenicity : not applicable

Specific Target Organ Toxicity - Single exposure : no data available

Specific Target Organ Toxicity - Repeated exposure : no data available

Aspiration hazard : No aspiration toxicity classification

Other information : Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

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**12. Ecological information****Ecotoxicology Assessment**

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

**12.1. Toxicity**

Aquatic toxicity, fish : Species: *Leuciscus idus*  
Exposure duration: 96 h  
LC50: > 5,500 mg/l  
Method: OECD 203  
  
Species: *Danio rerio*  
Exposure duration: 96 h  
LC50: > 4,000 mg/l  
Method: OECD 203

Aquatic toxicity, invertebrates : no data available

Aquatic toxicity, algae/aquatic plants : no data available

Toxicity in microorganisms : Species: Pseudomonas putida  
Exposure duration: 24 h  
EC50: > 6,000 mg/l

chronic toxicity in fish : no data available

Chronic toxicity in aquatic Invertebrates : no data available

Toxicity in organisms which live in the soil : no data available

**12.2. Persistence and degradability**

Photodegradation : no data available

Biological degradability : no data available

**12.3. Bioaccumulative potential**

Bioaccumulation : no data available

**12.4. Mobility in soil**

Environmental distribution : no data available

**12.5. Results of PBT and vPvB assessment**

PBT and vPvB assessment : no data available

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**13. Disposal considerations****13.1. Waste treatment methods**

Product : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

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**14. Transport information**

**Not dangerous according to transport regulations.**

14.1 UN number: --  
14.2 UN proper shipping name: --  
14.3 Transport hazard class(es): --

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- 14.4 Packing group: --  
14.5 Environmental hazards: --  
14.6 Special precautions for user: No

**15. Regulatory information**Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the (M)SDS contains all information required by the Controlled Products Regulation

Canada : WHMIS CLASSIFICATION  
Not Rated  
This product does not contain component(s) on the WHMIS Ingredient Disclosure List.

US regulations:

SARA Title III Section 311/312 Hazard Categories : No SARA Hazards

Other regulations : none

State Right to Know : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

ZUSPA\_RTK: No components subject to "Right-To-Know" legislation in the following States:

ZUSMA\_RTK: No components subject to "Right-To-Know" legislation in the following States:

ZUSNJ\_RTK: No components subject to "Right-To-Know" legislation in the following States:

**US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

HMIS Ratings            Health:                            1  
                                 Flammability:                    0  
                                 Reactivity:                        0  
                                 Personal Protection:            X

**Notification status**

TSCA (USA)            : listed/registered or exempted  
DSL (CDN)             : listed/registered or exempted



**16. Other information****List of references**

Other information : Comply with national laws regulating employee instruction.  
Revision date : 12/16/2014

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**Legend**

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADNR</b>	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration factor
<b>BetrSichV</b>	German Ordinance on Industrial Safety and Health
<b>c.c.</b>	closed cup
<b>CAS</b>	Chemical Abstract Services
<b>CESIO</b>	European Committee of Organic Surfactants and their Intermediates
<b>ChemG</b>	German Chemicals Act
<b>CMR</b>	carcinogenic-mutagenic-toxic for reproduction
<b>DIN</b>	German Institute for Standardization
<b>DMEL</b>	Derived minimum effect level
<b>DNEL</b>	Derived no effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>EC50</b>	half maximal effective concentration
<b>GefStoffV</b>	German Ordinance on Hazardous Substances
<b>GGVSEB</b>	German ordinance for road, rail and inland waterway transportation of dangerous goods
<b>GGVSee</b>	German ordinance for sea transportation of dangerous goods
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest observed adverse effect level
<b>LOEL</b>	Lowest observed effect level
<b>NOAEL</b>	No observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, bioaccumulative, toxic
<b>PEC</b>	Predicted effect concentration
<b>PNEC</b>	Predicted no effect concentration
<b>REACH</b>	REACH registration
<b>RID</b>	Convention concerning International Carriage by Rail
<b>STOT</b>	Specific Target Organ Toxicity
<b>SVHC</b>	Substances of Very High Concern
<b>TA</b>	Technical Instructions
<b>TPR</b>	Third Party Representative (Art. 4)
<b>TRGS</b>	Technical Rules for Hazardous Substances
<b>VCI</b>	German chemical industry association
<b>vPvB</b>	very persistent, very bioaccumulative
<b>VOC</b>	volatile organic compounds
<b>VwVwS</b>	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
<b>WGK</b>	Water Hazard Class
<b>WHO</b>	World Health Organization